AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method comprising:

heating a ferroelectric polymer material formed on a substrate to a temperature at least as high as a Curie temperature of the polymer material;

aligning a plurality of domains of the heated polymer material in a direction relative to a surface of the substrate; and

cooling the temperature of the polymer material while maintaining the alignment of the domains of the polymer material.

- 2. (Original) The method of Claim 1, further comprising:
 forming the polymer material on the substrate in a chamber prior to heating the polymer material.
- 3. (Original) The method of Claim 1, wherein the polymer material comprises: poly(vinylidene fluoride-trifluoroethylene).
- 4. (Original) The method of Claim 1, wherein heating the polymer material comprises: at least one of directly applying heat to at least one of the polymer material and the substrate with a heating element, and creating ambient heat within a chamber in which the substrate and polymer material are disposed.
- 5. (Original) The method of Claim 4, wherein heating is performed for between approximately 2 and 600 minutes and at a temperature between approximately 130° and 150° Celsius.
- 6. (Original) The method of Claim 1, wherein aligning comprises: exposing the polymer material to an electric field.
- 7. (Original) The method of Claim 6, wherein the electric field comprises: an electric field of at least approximately 40 megavolts per meter.

- 8. (Original) The method of Claim 6, wherein exposing comprises: at least one of creating an electric field with at least two plates of a capacitor and inducing an electric field.
- 9. (Original) The method of Claim 1, wherein the direction of alignment comprises: a direction approximately perpendicular to the surface of the substrate.
- 10. (Original) The method of Claim 1, wherein the alignment is performed until at least approximately 75 percent of the polymer material is in a ferroelectric phase.
- 11. (Original) The method of Claim 1, wherein aligning is maintained until the temperature of the polymer material is below the Curie temperature of the polymer material.
- 12. (Currently Amended) A method comprising:

heating a ferroelectric polymer material formed on a substrate to a temperature at least as high as a Curie temperature of the polymer material;

applying an electric field to the heated polymer material to align a plurality of domains of the polymer material in a direction relative to a surface of the substrate; and

cooling the temperature of the polymer material while maintaining application of the electric field to the polymer material.

- 13. (Original) The method of Claim 12, further comprising:
- forming the polymer material on the substrate in a chamber prior to heating the polymer material.
- 14. (Original) The method of Claim 12, wherein the polymer material comprises: poly(vinylidene fluoride-trifluoroethylene).
- 15. (Original) The method of Claim 12, wherein heating the polymer material comprises:

at least one of directly applying heat to at least one of the polymer material and the substrate with a heating element, and creating ambient heat within a chamber in which the substrate and polymer material are disposed.

- 16. (Original) The method of Claim 15, wherein heating is performed for between approximately 2 and 600 minutes and at a temperature between approximately 130° and 150° Celsius.
- 17. (Original) The method of Claim 12, wherein the electric field comprises: an electric field of at least approximately 40 megavolts per meter.
- 18. (Original) The method of Claim 12, wherein applying the electric field comprises: at least one of creating an electric field with at least two plates of a capacitor and inducing an electric field.
- 19. (Original) The method of Claim 12, wherein the direction of alignment comprises: a direction approximately perpendicular to the surface of the substrate.
- 20. (Original) The method of Claim 12, wherein the electric field is applied until at least approximately 75 percent of the polymer material is in a ferroelectric phase.
- 21. (Original) The method of Claim 12, wherein applying is maintained until the temperature of the polymer material is below the Curie temperature of the polymer material.
- 22. (Withdrawn) An apparatus comprising:
 - a substrate; and
- a polymer material formed on a surface of the substrate, the polymer material having a plurality of domains that are aligned in a direction relative to the surface of the substrate.
- 23. (Withdrawn) The apparatus of Claim 22, wherein the polymer material comprises: poly(vinylidene fluoride-trifluoroethylene).

- 24. (Withdrawn) The apparatus of Claim 22, wherein the direction of alignment comprises: a direction approximately perpendicular to the surface of the substrate.
- 25. (Withdrawn) The apparatus of Claim 22, wherein at least approximately 75 percent of the polymer material is in a ferroelectric phase.
- 26. (Withdrawn) A system comprising:

flash memory comprising

a substrate, and

a polymer material formed on a surface of the substrate, the polymer material having a plurality of domains that are aligned in a direction relative to the surface of the substrate.

- 27. (Withdrawn) The system of Claim 26, wherein the polymer material comprises: poly(vinylidene fluoride-trifluoroethylene).
- 28. (Withdrawn) The system of Claim 26, wherein the direction of alignment comprises: a direction approximately perpendicular to the surface of the substrate.
- 29. (Withdrawn) The system of Claim 26, wherein at least approximately 75 percent of the polymer material is in a ferroelectric phase.